Title Page: Student I.D, Date of Submission, Title, Teacher’s Name, Period

Introduction: A quick summary of information that would be needed in order to understand the basic concepts that are dealt with in this lab.

Hypothesis: A prediction statement for Part I of the lab. Which molecules did you believe would transmit through the semi-permeable membrane? For what reasons did you make this specific prediction?

Materials: Part I only!

Procedure: Part 1 only!

Results: Part I (Data Table: What data did you view/collect?)

Part II (Which letters were the hypertonic, isotonic, and hypotonic environment?)

Part III (Labeled diagram of the hypertonic and hypotonic plant cell)

Discussion:

**Part I** Explanation of what happened during the process the two day experiment and why did those results occur? How were you able to determine the presence of the solutes?

For future experimentation – If I wanted to know if water had the ability to diffuse across the membrane, how might I incorporate this into the procedure?

**Part II** – Explain the thought process behind your decisions.

**Part III** – Explain how the cell reacted to the two different environments and why it reacted as such.